Twelve Months' Index to Volume 145-146, October, 1961—September, 1962

RUBBER WORLD

BILL BROTHERS PUBLISHING CORP.
630 Third Avenue, New York 17, N. Y.

Volume 145-146 October, 1961, to September, 1962

PAGES

A

ACCELERATORS, LATEX
Setsit-51 ... Ap 18
Thimate M ... Ap 18
ACCENT ON SAFETY
Off the Job Safety ... *M. R. Batche* Ma 67
On the Job Safety ... *T. J. Cain* Ma 66
Radiation Safety ... *R. A. Manning* Ma 69
Acetate, Vinyl, Ethylene-, Copolymers—Bakelite DQDA-3269, -7268 ... My 32
Acid, Polymerized Fatty, Mixture for Resin Systems—Harcure Dimer 870 ... F 40
Acrylic Monomers (HEMA, HPMA), Lower Cost Claimed for ... S 18
Acrysol HV-1—Latex Thickener ... My 32
Adhesion, Rubber-to-Fabric, Terpolymer for Better—Pliolite Latex VP100 ... Ma 50
ADHESIVES
Costs, Can Airless Sprayers Cut Your Painting and? ... F 77
Epoxy Powder, Has High Peel Strength on Rubber Bonds—Epon Adhesive 917 ... F 24
Foam—M-6578 ... Ap 18
To-Fabric—Tylac CD-1-80-1 ... D 58
Ray-Bond R-82016 ... Jl 87
Silicone—RTV-102 ... Jl 16
Tire Mold, Tygoweld 53 ... O 54
Ty-Ply K, T ... My 38
Urethane Bonding Agent—5H-192 ... D 42
Urethanes, System for ... Jl 16
Aero Service Corp. Solves a Problem ... O 91
Africa ... N 104, 110, D 114, 116, F 108, 110, Jl 100, Au 100, 107, S 104
AgeRite Emulsions—Antioxidants ... Ap 18
Spar—Latex Antioxidant ... Ap 18
Superlite—Latex Antioxidant ... Ap 18
Aging, Heat, of Clay-Loaded Butyl Insulation, Polyolefins Improve ... *F. Rodriguez, C. C. Winding* D 76
Air Force Use, High-Temperature Rubbers for *J. K. Sieron, K. Murray* Ap 61
Airless Sprayers, Can, Cut Your Painting and Adhesives Costs? ... F 77
Akron Polymer Lecture Group ... O 102
Rubber Group ... Ja 77, My 77
Allen, John J. ... *Portrait* Au 74
Alumina, Hydrated—Hydrol 705, 710 ... My 32
Amann, Edw. J. ... *Portrait* N 100
Ambelang, J. C. ... *Portrait* S 61
B. W. HABECK, AND
Weather-Resistant *Cis*-Polybutadiene and *Cis*-Polyisoprene Compounds ... S 55
America, Latin ... F 108, 109, Ap 88, My 82, Jl 99, 100
South ... N 104, D 114, Ja 103, Ma 105, My 107, Jl 98-100, Au 98, 102
AMERICAN CHEMICAL SOCIETY
DIVISION OF RUBBER CHEMISTRY
Course, Rubber Technology ... Au 76
Goodyear Medalist ... Je 85
MEETINGS
September, 1961 ... O 99
April, 1962 ... Ap 77, Je 85
Abstracts of Papers ... Ap 77
October, 1962 ... S 77
Abstracts of Papers ... S 77
Membership Drive ... Ja 78
SECTIONS
Northeastern, Elastomer & Plastics Group N 87, D 93, F 90, Ap 89, Je 88
Southern California—Polymer Group of California ... D 92
American Society for Testing & Materials ... My 81
COMMITTEES
D-11
Assigns SBR Numbers ... D 105, Ma 96, Ap 92
Celebrates 50th Birthday ... Au 72
Meeting ... Ma 83

PAGES

ASTM
COMMITTEE
D-24 ... Ap 86
D 2000-SAE J 200—New Classification System for Rubber ... Je 67
Meetings and Exhibits ... Ma 97
Name Change ... O 101
Tests for Extender Oils ... Au 64
Ameripol, *see Synthetic Rubbers*
Ames, A. R., Jr. ... *Portrait* F 99
Amoco Resin 18—Sytrene Resin ... My 38
Amopel Polypropenes—Liquid Hydrocarbon Polymers ... Ma 42
Anderson, Gordon A. ... *Portrait* Ap 94
Andrews, A. I. ... *Portrait* Ja 94
Ank-Seam, Non-Flammable Cement ... N 46
Anti-Friction Spray—Bemol Moli-Spray ... Ap 18
ANTIOXIDANTS
LATEX
AgeRite Spar ... Ap 18
Superlite ... Ap 18
Non-Staining—Wing-Stay V ... N 46
Antiozonant, Pelletized—Nickel Dibutyl Dithiocarbamate ... S 18
Apex 750, Conductive Vinyl ... N 38
Pelletized Vinyl Color Concentrates ... Ja 30
Applications, Pneumatic Tire, Compounding *Cis*-Polybutadiene for ... *R. J. Brown, R. B. Knill, J. F. Kerscher, R. V. Todd* N 69
AQUADRO, JOHN
Automatic Carbon Black Handling ... D 73
Argentina ... O 115, 122, N 104, Ja 103, Jl 98
Argue, T. C. ... *Portrait* O 100
Armstrong, Donald E. ... *Portrait* Ja 79
Australia ... O 123, N 103, D 114
Auto Mats, Clap-Hands Press Cuts ... D 85
Automates Fact-Finding, Goodyear ... Jl 66
Automatic Carbon Black Handling ... *John Aquardo* D 73

B

Bakelite DQDA-3269, -7268—Ethylene Vinyl Acetate Copolymers ... My 32
BALL, JOHN M.
New Integrated Classification of Rubber Compounds, The ... Je 68
Wm. P. ... *Portrait* Ap 94
Barkley, Lloyd B. ... *Portrait* S 101
Barlow, Fred ... *Portrait* N 101
Barrett, Harold N. ... *Portrait* Jl 90
Bases, Silicone, and Gums Offer Chance to Compound Your Own Stocks ... *Robt. D. Shipps* S 69
Silastic 434, 435 ... My 26
Y-3277, Free Catalyst Supplied with ... N 75
BATCHE, M. R.
Off the Job Safety ... Ma 67
Bateman, Leslie ... *Portrait* Jl 95, Au 100
Baumann, Paul ... *Portrait* Je 116
Bego, Gene L. ... *Portrait* O 115
Belgium ... O 123, Ja 103, F 109, Ma 99
Bemol Moli-Spray—Anti-Friction Spray ... Ap 18
Bergsten, J. M. ... *Portrait* Ap 96
Berseth, Albert M. ... *Portrait* O 113
Bierer, John M. ... *Portrait* N 98
Bimmerman, Harry ... *Portrait* Au 74
Bitter, Raymond E. ... *Portrait* Ma 99
Bitumen, Starch/, NR Latex Foam Costs Reduced by Use of ... F 76
Black, Lenoir ... *Portrait* D 89
Blaich, Chas. F., Jr. ... *Portrait* O 114
Blandford, John Russell ... *Portrait* Ja 79
Bleier, Richard M. ... *Portrait* Je 106
Blowing Agent, 100% DNPT ... N 46
Blowouts, Chlorobutyl Inner-Liners Decrease *R. H. Dudley, J. V. Fusco* S 63
Bonding Agent for Fluorocarbons—Fluorobond Solutions ... O 54
Urethane—5H-192 ... D 42

PAGES

BOOK REVIEWS
"Caoutchouc et Textiles Synthétiques" ... *Jean Vene* F 16
"Die Hochmolekularen Organischen Verbindungen. Kautschuck und Cellulose. (High Molecular Compounds. Rubber and Cellulose.)" ... *H. Staudinger* Ap 42
"High Speed Testing" ... S 47
"Le Caoutchouc" ... *Jean La Bras* Ja 46
"Mess und Regeltechnik in der Gummiindustrie (Measuring and Control Techniques in the Rubber Industry)" ... Ja 46
"Methoden der Organischen Chemie," Revised Fourth Ed. ... *Edited by E. Muller* Je 44
"Plasticizers," Second Ed. ... *D. N. Buttrey* O 62
"Plastics Decade, The—1960/1970" ... *Karl Mienes* Ap 42
"Polymeric Materials" ... *Chas. C. Winding, Gordon D. Hiatt* N 60
"Radiation Chemistry of Polymeric Systems" *Adolphe Chapiro* Au 42
"Reclaimed Rubber" ... *Edited by A. Nourry* Jl 40
"Rubber Red Book," Fourteenth Ed. ... *L. Sheckman, Editor* D 46
"Russian-English Chemical Dictionary," First Ed. ... *Eugene A. Carpovich* D 46
"Silicones" ... *S. Fordham* N 60
"Werkstoffe aus Menschenband (Man-Made Materials)" ... *Hansjurgen Saecthling* O 62
Borodkin, Saml. ... *Portrait* Je 106
Boston Rubber Group ... O 102, N 89, F 89, My 80, Jl 83
Brazil ... D 114, My 107, Jl 98, Au 98
Brighter White with Titanox RA-40 ... Ja 42
Brilliant Toning Maroon CP-1480 ... Ma 52
Brooks, Lester A. ... *Portrait* Au 88
Brown, J. Howard ... *Portrait* F 104
O. J., Jr. ... *Portrait* S 101
R. J. ... *Portrait* N 74
R. B. KNILL, J. F. KERSCHER, R. V. TODD
Compounding *Cis* - Polybutadiene for Pneumatic Tire Applications ... N 69
Walter F. ... *Portrait* F 105
Browning, Robt. T. ... *Portrait* Ja 94
Bucci, M. T. ... *Portrait* Ja 102
Buffalo Rubber Group ... N 89, Je 87
Bulgaria ... D 116
Burma ... Au 102
Burner, Smokeless ... Ap 92
Busby, Robt. B. ... *Portrait* Ma 100
Butadiene, Styrene-, Rubber, *see Synthetic Rubbers*
Butler, Robt. C. ... *Portrait* Ma 100
Butyl Insulation, Polyolefins Improve Heat Aging of Clay-Loaded ... *F. Rodriguez, C. C. Winding* D 76
Rubbers, *see Synthetic Rubbers*
BZS-50—Catalyst ... Ja 30

C

C-2-0145, -0146—Urethane Foam Control Agents ... Ja 30
Cabot, Thos. D. ... *Portrait* F 98
Cadmium Pigments ... Je 18
CAIN, T. J.
On the Job Safety ... Ma 66
Calcium Carbonate, Water Ground, New Source for ... F 86
Calendar of Coming Events ... O 74, N 126, D 68, Ja 18, F 91, Ma 85, Ap 100, My 102, Je 16, Jl 85, Au 50, S 10
Calendering and the Rotocure Machine (Ontario Group) ... My 81
Caloxol C-31—Rubber Desiccant ... Je 18
Cambodia ... Jl 100
Cameroun Republic ... F 110
Campbell, H. A. ... *Portrait* Jl 94
Can Airless Sprayers Cut Your Painting and Adhesives Costs? ... F 77

Ja.=Jan.; F=Feb.; Ma=Mar.; Ap=April; My=May; Je=June; Jl=July; Au=August; S=Sept.; O=Oct.; N=Nov.; D=Dec.

PAGES

Can, One-, Epoxy Systems, Convenient, Stable N 85
CARBON BLACK
Handling, Automatic ... *John Aquadro* D 73
High-Structure ISAF Black, A ... S 73
The Trend Is Up ... Je 118
New, for Polybutadiene—Statex RH ... My 73
May Be Key to 100% Polybutadiene—65-SPF ... Je 72
Structure of, The Dual ... *Andries Voet, Wm. N. Whitten, Jr.* Je 77
Carliss, O. S. ... *Portrait* Ja 70
Trends in Materials Handling Equipment ... Ja 69
Carmichael, Danl. W. ... *Portrait* Ja 96
CASTINGS, POLYSULFIDE RUBBER
Aero Service Corp. Solves a Problem ... O 91
CATALYST
Dispersions, Non-Separating Silicone (BZS-50, DBS-40, -50 ... Ja 30
Free, Supplied with New Rubber Base (Y-3277) ... N 75
Polymerization, High-Temperature—USP-611 ... Ma 52
Silicone—Luperco AST, CST ... Ap 18
Ultra-Violet Curing—UV-50 ... F 40
Cationic Guar Gum—Jaguar Plus ... Je 18
Cell-Tite—Closed-Cell Tubing ... My 42
Cement, Non-Flammable—Ank-Seam ... N 46
Non-Flam ... O 48
Ceylon ... N 103, 104, Ja 102, 103
Chambers, G. Nelson ... *Portrait* O 115
Chemglaze Coatings—One-Part Urethane Coatings ... N 38
Chemical Institute of Canada ... F 90, Je 87
Wellington-Waterloo Section ... Ja 79, Ap 89
Chemigum, *see Synthetic Rubbers*
Chemivic, *see Synthetic Rubbers*
Chemlock 303—Adhesive System for Urethanes ... Jl 16
Chicago Rubber Group ... N 86, Ja 79, F 90, Ma 82, Ap 85, Je 88
Chile ... Ma 105
China ... N 110, Ja 102, 112
Chlorobutyl Inner-Liners Decrease Blowouts *R. H. Dudley, J. V. Fusco* S 63
Magnesium Oxides in ... *W. H. Deis, L. F. Heneghan* O 85
CHR Rulon—Release Agent with Improved Substrata Adhesion ... Ma 50
Churchill, C. Milton ... *Portrait* Ap 96
Cisdene-100 Polybutadiene ... F 28
Cis-Polybutadiene and *Cis*-Polyisoprene Compounds, Weather Resistant ... *J. W. Ambelang, B. W. Habeck* S 55
For Pneumatic Tire Applications ... *R. J. Brown, R. B. Knell, J. F. Kerscher, R. V. Todd* N 69
Cis-Polyisoprene, *Cis*-Polybutadiene and, Compounds, Weather-Resistant ... *J. C. Ambelang, B. W. Habeck* S 55
Clap-Hands Press Cuts Auto Mats ... D 85
Classification System for Rubber, New—ASTM D 2000-SAE J 200 ... Je 67
Clay-Loaded Butyl Insulation, Polyolefins Improve Heat Aging of ... *F. Rodriguez, C. C. Winding* D 76
Clickers, Conventional, Electronic-Hydraulic Die Cutter Challenges ... N 84
CIMS Materials—Convenient, Stable, One-Can Epoxy Systems ... N 85
Coagulant, Latex, Papain as a ... N 46
Coale, Edw. ... *Portrait* N 101
Coating, Paper, High Solid-Low Viscosity Latex for—Dylex K-54W ... D 42
S 175-241, Bostik—Resin Solution Gives Surface Protection ... S 16
Coatings Possible with Silicone Release Agent—Dow Corning 230 Fluid, 231 Emulsion ... F 28
Urethane, One-Part—Chemglaze ... N 38
Colley, Russell S. ... *Portrait* Au 86
Collier, Simon ... *Portrait* Au 75
Colored Rubber Compounds, Designing of (Southern Group) ... D 89
COLORS
Cadmium Pigments ... Je 18
Concentrates, Pelletized Vinyl (Apex) ... Ja 30
Maroon, Brilliant, Color Pigment—Brilliant Toning Maroon CP-1480 ... Ma 52
White, Brighter, with Titanox RA-40 ... Ja 42
Commodity Exchange, Inc., Crude Rubber Market ... O 134, N 108, D 118, Ja 104, F 114, Ma 106, Ap 114, My 112, Je 121, Jl 106, Au 108, S 111
Election of Officers ... F 104
Compound, Silicone Rubber Base—KW1920 ... N 46
Your Own Stocks, Silicone Bases and Gums Offer Chance to ... *Robt. D. Shipps* S 69
Compounder's Task in Formulating Rubber Stocks, Graphs Ease ... Ma 72
COMPOUNDING
Cis-Polybutadiene for Pneumatic Tire Applications ... *R. J. Brown, R. B. Knell, J. F. Kerscher, R. V. Todd* N 69
Ingredients Prices ... N 117, Ja 113, Ma 115, My 116, Jl 121, S 112
Latex Materials, and Use of (Southern Group) ... D 89
Natsyn ... *Robt. V. Todd* My 69
Compounds, Weather-Resistant *Cis*-Polybutadiene and *Cis*-Polyisoprene ... *J. C. Ambelang, B. W. Habeck* S 55
Dow Corning FS 1280, 1281 ... O 109
Rubber, Colored Designing of (Southern Group) ... D 89
Compton, R. T. ... *Portrait* D 101
Concentrates, Color, Apex Pelletized Vinyl ... Ja 30
Conductive Vinyl, Apex 750 ... N 38
Conference, Rubber Technology, Fourth ... Jj 78

PAGES

Congo ... S 104
Connecticut Rubber Group ... N 88, 90, Ja 78, Ap 86
Continuous Vulcanization—Tower Style ... N 76
Control Agents, Urethane Foam—C-2-0145, -0146 ... Ja 30
Convenient, Stable, One-Can Epoxy Systems ... N 85
Converting SBR Lines to $BR ... My 61
Conway, J. J. ... *Portrait* Ja 93
Copolymers, Ethylene-Vinyl Acetate—Bakelite DQDA-3269, -7268 ... My 32
Coquillette, Robt. M. ... *Portrait* Jl 90
Cord, Glamour—Polyester ... Jl 86
Costs, Cut, by Reclaiming Scrap, Silicone Parts Manufacturers ... *Stuart V. d'Adolf* Ja 72, F 110
Adhesives and Painting, Can Airless Sprayers Cut Your? ... F 77
NR Latex Foam, Reduced by Use of Starch/Bitumen ... F 76
COURSES
Elastomers (IRR, University of Akron) ... My 81
Polymer Lectures (Akron Polymer Group) ... O 102
RUBBER TECHNOLOGY
Boston Group ... O 102
Rubber Division ... Au 76
Tlargi ... F 110
Silicone (G.E.) ... Au 80
Statistics (University of California) ... Ap 86
Cracking, Ozone, The Stress Relaxation Method for Measuring ... *G. E. Decker, R. W. Wise* Ap 66
Crude Rubber Market ... O 134, N 108, D 118, Ja 104, F 114, Ma 106, Ap 114, My 112, Je 121, Jl 106, Au 108, S 111
Curing (Southern Group Symposium) ... Ma 81
Catalyst, Ultra-Violet—UV50 ... F 40
Self-, Latex—Lotol L-4634-D ... O 48
Curtis, Wesley B. ... *Portrait* Ap 96
Cushing, E. R. ... *Portrait* F 105
Cut Costs by Reclaiming Scrap, Silicone Parts Manufacturers ... *Stuart V. d'Adolf* Ja 72, F 110
Your Painting and Adhesives Costs, Can Airless Sprayers? ... F 77
Cuts Auto Mats, Clap-Hands Press ... D 85
Cutter, Die, Electronic-Hydraulic, Challenges Conventional Clickers ... N 84
Cyanaprene 4590 Urethane Rubber ... D 34
Czechoslovakia ... N 110

D

D'ADOLF, STUART V.
Silicone Parts Manufacturers Cut Costs by Reclaiming Scrap ... Ja 72
D'Amelio, Anthony V. ... *Portrait* Ma 100
Daum, Geo. A. ... *Portrait* Je 112
Davis, E. L. ... *Portrait* N 101
Robt. L. ... *Portrait* Au 82
DBS-40, -50—Catalysts ... Ja 30
Decker, G. E. ... *Portrait* Ap 66
R. W. WISE, AND
Stress Relaxation Method for Measuring Ozone Cracking, The ... Ap 66
Deis, W. H. ... *Portrait* O 86
L. F. HENEGHAN, AND
Magnesium Oxides in Chlorobutyl ... O 85
DePuy, Robt. E. ... *Portrait* Ja 95
Desiccant, Rubber—Caloxol C-31 ... Je 18
Designing of Colored Rubber Compounds (Southern Group) ... D 89
Silicone O-Rings ... *Geo. W. Dyckes* Ap 73
Detroit Rubber & Plastics Group, Inc. ... F 110
Devir, John C. ... *Portrait* Jl 93
Dickerson, Robt. Allen ... *Portrait* Au 79
Die Cutter, Electronic-Hydraulic, Challenges Conventional Clickers ... N 84
Dispersion, Pigment, in Rubber, New Techniques for Evaluating ... *Wm. M. Hess* N 78, D 80, 126
Dispersions, Silicone Catalyst, Non-Separating ... Ja 30
Doering, J. Harvey ... *Portrait* My 100
Doherty, Danl. B. ... *Portrait* S 102
Dow Corning 230 Fluid—Silicone Release Agent ... F 28
231 Emulsion—Silicone Release Agent ... F 28
Doyle, Wm. M. ... *Portrait* O 113
DNPT, 100%, Blowing Agent ... N 46
Drakely, T. J. ... *Portrait* Jl 77
Dual Refined Hexane ... My 38
Structure of Carbon Black, The ... *Andries Voet, Wm. N. Whitten, Jr.* Je 77
Dudley, R. H. ... *Portrait* S 68
J. V. FUSCO, AND
Chlorobutyl Inner-Liners Decrease Blowouts ... S 63
Durez 19900—Tackifier ... Au 18
Duribbons—RTV Butyl Compounds ... Jl 16
Dyckes, Geo. W. ... *Portrait* Ap 75
Designing Silicone O-Rings ... Ap 73
Dylex K-54N—High Solid-Low Viscosity Latex for Paper Coating ... D 42
Dynamic Test for Rubber, New ... *Jack R. Kullman* F 73

E

Easy-Processing Silicone Rubber—Silastic 241U ... N 46
Eccosil 5000 RTV—Silicone Rubber Foam ... Ma 42
Eby, Lawrence T. ... *Portrait* Au 63
H. H. WADDELL, J. V. FUSCO
Highly Unsaturated Butyl Rubber ... Au 57

PAGES

EDITORIALS
Creative Imagination Needed ... Ja 59
Dear Mr. President ... Jl 61
Do You "Belong"? ... My 59
Great Flow of New Materials, A . . . Are We Making Good Use of Them? ... N 67
Let's All Spread the Word ... O 79
Natural Rubber to Fight Inroads by Competitors ... F 71
Needed—A Stockpile Plan ... Ap 56
New Integrated Classification of Rubber Compounds, The ... *John M. Ball* Je 68
Proud Step Into Space, A ... Ma 63
R . . . A Large Dose of Pride ... S 53
Robert G. Seaman ... Je 65
Well Done . . . Si, Harry and John ... Au 55
What's Ahead . . . ? ... D 71
Edland, Laurence ... *Portrait* F 99
ElastaCast Compound ... Au 85
ELASTOMERS
Course (IRR, University of Akron) ... My 81
Specialty, Resin Developed for Butyl, EPR, and Other ... *G. B. Freda, L. L. Stukey* Ja 63
Electronic-Hydraulic Die Cutter Challenges Conventional Clickers ... N 84
Emulsion, Dow Corning 231—Silicone Mold Release without Surface Adhesion Problems ... F 28
Hydrocarbon Resin—Piccopale A-55 Emulsion ... O 54
Epon Adhesive 917—Epoxy Powder Adhesive Has High Peel Strength on Rubber Bonds ... F 24
Epoxy Finish, High-Solid—Ramalacq ... S 18
Powder Adhesive Has High Peel Strength on Rubber Bonds—Epon Adhesive 917 ... F 24
Systems, Convenient, Stable, One-Can ... N 85
EPR, and Other Specialty Elastomers, Resin Developed for Butyl ... *G. B. Freda, R. L. Stukey* Ja 63
Equipment, Materials Handling, Trends in *O. S. Carliss* Ja 69
EQUIPMENT, NEW
Air Closure Kit ... S 30
Moisture-Free Compressed ... D 14
Analyser, Photometric ... S 30
Analyzer, Moisture ... Jl 36
Analyzers, Hydrocarbon ... N 32
Baler, Rubber ... My 22
Bin, Bottom-Discharge ... Au 38
Blanket, Fire, New ... D 8
Blender for Colored Plastics ... Ap 28
Blenders, Dry Material ... Ap 30
Box, Low-Temperature ... D 18
Chiller, Portable ... My 22
Clamp, Cord Tensile ... Je 40
Coder, Color ... Au 30
Control Panel, Automatic, for Pushbutton Process Operation ... Ma 16
Controller, Adjustable Response Pressure ... D 16
Humidity ... Jl 34
Cooling System ... Au 30
Process ... Ja 28
CUTTER
Die, Electronic-Hydraulic ... N 84
Slug, with Calculator ... O 22
Vertical Feed ... F 50
Stock ... Jl 34
Detector, Fabric Wrinkle ... D 20
Metal ... My 16
Dipper, Latex, Lab ... My 20
Dipping Machine, Latex, Automatic ... D 30
Dispenser, Mixer and, Polyurethane ... N 22
Mobile Flammable Liquid ... F 132
Urethane ... Jl 24
Dispensing Head ... My 16
Drive, Variable-Speed, Lightnin' Mixer ... Ma 32
Drum Tumblers with Hydraulic Lifts ... N 32
Dryer, Washer, Two-Way ... Jl 34
Dynamometer, Aircraft Tire Test ... N 34
Fabricating Equipment, Foam ... O 22
Fadeometer-Weatherometer ... Je 40
Fire Extinguishers, "Purple-K" ... N 83
Flipping Machine, V-belt ... Je 42
Frictionometer ... Jl 24
Gage, Thickness, Foam ... My 22
Optical Follower ... Au 26
Grooving Tool Sculpts Treads ... Au 82
Guard, Safety, Hold-Back ... Ja 28
Labeling Machine, High-Speed ... Ja 24
Marker, All-Purpose ... Ja 24
Marking System ... Ma 30
Measurement, Temperature, of Moving Surfaces ... Ma 36
Measuring Head, Extruder ... D 14
Thickness with Light ... Au 26
Melt Index Apparatus ... D 30
Mill, Electronically Adjusted ... F 66
Variable-Speed Drive Three-Roll ... F 132
Mixer, Gyro-Ribbon ... O 26
High Viscosity ... S 30
Lightnin', Variable-Speed Drive ... Ma 32
Polyurethane, and Dispenser ... N 22
Mold, Test, Tire Cord ... My 22
Tire, Four-Piece ... O 136
Molder, Injection ... Je 30
Oven, 49-Drawer Drying and Baking ... Je 24
"Split" Muffle ... Ma 36
Ovens, Drying ... Jl 24
Platens, Electrically Heated ... D 10
Press, Hand-Operated ... Jl 28
Laboratory ... Je 40
Punch, Portable ... Jl 36
Presses, Molding, PHI Introduces ... D 8
Transfer Molding ... Au 28
Utility, Industrial ... D 20
Processor, Self-Cleaning ... S 30

PAGES

EQUIPMENT, NEW
Pump, Non-Pulsating ... D 30
Pyrometer, Fixed Pointer ... My 22
Thermal Radiation ... Ja 24
Reactor, Development ... Ap 28
Recorder, Ozone, Portable ... O 26
Meter ... My 16
Tension, Yarn ... F 56
Relaxometer ... S 30
Rolls, High Transfer ... Je 30
Rotary Power Loss Unit ... D 18
Slitters for Wide Industry Demands ... D 10
Splitter, Belt ... Au 38
Stapling Machines—Couplings Stapled for Vulcanization ... Au 104
Take-Off Machine ... N 24
System, Belt-Traction ... Ma 28
Tank, Storage, Liquid ... N 22
Test Blocks, Rubber Hardness ... F 52
TESTERS
Abrasion ... S 30
Dynamic Properties for Plastics ... Je 24
Sealant-Mastic ... Ja 28
Strip ... S 30
Environmental, for Stress/Strain Evaluations ... F 52
Impact ... F 50
Micro-Indentation ... Jl 28
Thermocouple, Magnetic ... D 30
Thermometer, Infrared ... Jl 22
Moistureproof ... Ma 16
Tilting Device for Material Dispensing ... D 16
Transfer, Air, of Powders ... F 66
Truck, Materials Handling ... F 56
Tumbler, Tote ... N 34
Unloader, Vibratory ... Au 38
Vacuum Unit, Packaged ... D 20
Valve, Indicator ... N 24
Viscometer, Rotating ... D 30
Washer, Dryer, Two-Way ... Jl 34
Weatherometer-Fadeometer ... Je 40
Weigher, Belt ... Ap 30
Weighing System, Automatic Repeat, for Dry Materials ... Je 42
Dynabatch ... Je 24
Wheel, Finishing ... Jl 22
Wheeler, Sole ... Jl 22
Winder/Unwinder, Patented Hydraulic ... F 64
Escoflex 125—Extender-Plasticizer ... S 16
ETHYLENE-PROPYLENE RUBBER
Now on Market ... O 81
Sulfur-Vulcanizable—Nordel ... My 64
Vinyl Acetate Copolymers—Bakelite DQDA-3269, -7268 ... My 32
Europe ... O 116, N 102, D 113, Ja 102, F 108, Ma 104, Ap 88, 104, My 108, Je 114, Jl 94, Au 102, S 104
Evaluating Pigment Dispersion in Rubber, New Techniques for ... *Wm. M. Hess* N 78, D 80, 126
EX-Bi02-3—Low-Viscosity Primer ... Jl 16
EXPOSITIONS
Europlastique ... O 104
Materials Testing ... Ma 97
Extender—Lipco Paste—Nylon Rubber Material ... O 109
Oils, Tests for ... Au 64
Plasticizer—Escoflex 125 ... S 16

F

5H-192—Urethane Bonding Agent ... D 42
Fabric, Foam-to-, Adhesive—Tylac Latex CD-1-80-1 ... D 58
Fact-Finding, Goodyear Automates ... Jl 66
Far East ... O 116, N 103, D 114, Ja 101, F 107, Ma 104, Ap 88, 104, My 104, Je 117, Jl 94, Au 100, S 106
Fatty Acid Mixture for Resin Systems, Polymerized—Harcure Dimer 870 ... F 40
Filler, Silicone Rubber—Min-U-Sil ... O 54
Sponge ... Je 18
Film Former Plasticizers—Texanols ... Ja 30
Finish, High-Solid Epoxy—Ramalacq ... S 18
Fink, Herbert H. ... *Portrait* Ma 96
Fire Protection in a Small Plant ... Ma 74
Flexol TCP—Vinyl Plasticizer ... Au 18
Fluid, Dow Corning FS 1265 ... O 109
Fluorine-Type Mold Release—"Vydax" AR ... Ja 30
Fluorobond Solution—Bonding Agent for Fluorocarbons ... O 54
Fluorocarbons, Bonding Agent for—Fluorobond Solution ... O 54
FLUOROSILICONES
Dow Corning FS 1265 Fluid ... O 109
FS 1280, 1281 Compounds ... O 109
1290, 1291 Greases ... O 109
FOAM
Adhesive—M-6578 ... Ap 18
NR Latex, Costs Reduced by Use of Starch/Bitumen ... F 76
Silicone Rubber, Eccosil 5000 RTV ... Ma 42
Silastic RTV S 5370 ... D 34
Urethane, Adhesive, Foam-to-Fabric—Tylac CD-1-80-1 ... D 58
Control Agents—C-2-0145, -0146 ... Ja 30
Foams, Surfactants for—L-530, -531, -5310 .. My 32
Fodor, Paul A., Jr. ... *Portrait* O 115
FOOTWEAR
Sneakers Are In ... D 87
Formulating Rubber Stocks, Graphs Ease Compounder's Task in ... Ma 72
Fort Wayne Rubber & Plastics Group ... N 87, F 89, Ap 89, My 79

PAGES

France ... O 116, 121, Ja 102, 103, F 76, Ma 105, Jl 96, 97, 99, 100, S 106
FREDA, G. B., AND R. L. STUKEY
Resins Developed for Butyl, EPR, and Other Specialty Elastomers ... Ja 63
Free Catalyst (YC-3277) Supplied with New Rubber Base (Y-3277) ... N 75
Friction, Anti-, Spray—Bemol Moli-Spray ... Ap 18
Materials Standards Institute ... Au 76
FS 1265, 1280, 1281, 1290, 1291—New Fluorosilicones ... O 109
Fumol "203"—Silicone Release Spray ... S 16
Fusco, Jas. V. ... *Portrait* Au 63, S 68
DUDLEY, R. H., AND
Chlorobutyl Inner-Liners Decrease Blowouts ... S 63
WADDELL, H. H., AND L. T. EBY
Highly Unsaturated Butyl Rubber ... Au 57
Future of the Rubber Market ... *J. C. Gerritsen* Ma 77

G

Germany ... O 125, N 89, 102, Ja 93, 103, F 109, My 108, Je 128, Jl 96, 98, Au 102, 107, S 104
GERRITSEN, J. C.
Future of the Rubber Market ... Ma 77
Ghana ... Jl 100
Gillen, O. R. ... *Portrait* F 103
Glenn, Harry D. ... *Portrait* Ap 94
Goodyear Automates Fact-Finding ... Jl 66
Gordon Research Conferences ... My 80
Graham, Marcus J. ... *Portrait* D 107
Graphs Ease Compounder's Task in Formulating Rubber Stocks ... Ma 72
Greases—Dow Corning FS 1290, 1291 ... O 109
Great Britain ... O 122, 124, N 103, D 113, Ja 102, 103, My 108, Jl 100, Au 107
Greene, Richard B. ... *Portrait* Jl 90
Ground, Water, Calcium Carbonate, New Source for ... F 86
Guar Gum, Cationic—Jaguar Plus ... Je 18
Gum, Guar—Jaguar Plus ... Je 18
Gums, Silicone Bases and, Offer Chance to Compound Your Own Stocks ... *Robt. D. Shipps* S 69
Gundaker, Guy, Jr. ... *Portrait* F 97
Gutta Percha, Purifying ... Au 67

H

5H-192—Urethane Bonding Agent ... D 42
Habeck, B. W. ... *Portrait* S 61
J. C. AMBELANG AND
Weather-Resistant *Cis*-Polybutadiene and *Cis*-Polyisoprene Compounds ... S 55
Hagy, Jas. D. ... *Portrait* My 98
Hall, W. S. ... *Portrait* Jl 74
J. F. SVETLIK, E. F. ROSS
Non-Tire Uses of Polybutadiene ... Jl 72
Hand, Jas. F. ... *Portrait* S 102
Handling, Automatic Carbon Black ... *John Aquadro* D 73
Equipment, Materials, Trends in ... *O. S. Carliss* Ja 69
Hanse, J. S. ... *Portrait* D 107
Harcure Dimer 870—Polymerized Fatty Acid Mixture for Resin Systems ... F 40
Harper, John D. ... *Portrait* O 114
Hartman, John P. ... *Portrait* Ja 95
Head, A. J. ... *Portrait* Au 86
Heat Aging of Clay-Loaded Butyl Insulation, Polyolefins Improve ... *F. Rodriguez, C. C. Winding* D 76
Reaction Hydrocarbon Resin—Piccodiene 2215 ... F 40
HEMA—Lower Cost Claimed for Acrylic Monomers ... S 18
Heneghan, L. F. ... *Portrait* O 86
W. H. DEIS AND
Magnesium Oxide in Chlorobutyl ... O 85
Hess, Wm. M. ... *Portrait* N 78
New Techniques for Evaluating Pigment Dispersion in Rubber ... N 78, D 80, 126
Hexane, Dual Refined ... My 38
HIGH
Nitrile Content Rubber—Chemigum N 300 ... Ap 18
Polymer Forum, Canadian ... F 90, Je 88
Solid Epoxy Finish—Ramalacq 25-31 ... S 18
Low Viscosity Latex for Paper Coating—Dylex K-54W ... D 42
Structure ISAF Black, A ... S 73
Styrene Latex—Marmix 16123 ... O 48
Temperature Polymerization Catalyst—USP-6111 ... Ma 52
Rubbers for Air Force Use ... *J. K. Sieron, K. Murray* Ap 61
Highly Unsaturated Butyl Rubber ... *H. H. Waddell, J. V. Fusco, L. T. Eby* Au 57
Hocking, John E. ... *Portrait* Ap 94
Holly, H. W. ... *Portrait* D 108
Hood, Walter J. ... *Portrait* N 100
How Much Work Can a Tire Do? ... Ap 70
HPMA—Lower Cost Claimed for Acrylic Monomers ... S 18
Hydral 705, 710—Hydrated Alumina ... My 32
Hydrated Alumina—Hydral 705, 710 ... My 32
Hydraulic, Electronic-, Die Cutter Challenges Conventional Clickers ... N 84
Hydrocarbon Polymers, Liquid—Amopol Polypropanes ... Ma 42
Resin Emulsion—Piccopale A-55 Emulsion ... O 54
Heat-Reactive—Piccodiene 2215 ... F 40

PAGES

I

India ... D 116, Ja 102, F 109, 110, Ma 104, 108, My 107, 108, Au 100
Indonesia ... D 116, Jl 100, Au 102
Ingoldsby, Jas. L. ... *Portrait* F 103
Injection Molding Rubber Parts ... Jl 63
Inner-Liners, Chlorobutyl, Decrease Blowouts *R. H. Dudley, J. V. Fusco* S 63
Insulation, Butyl, Polyolefins Improve Heat Aging of Clay Loaded ... *F. Rodriguez, C. C. Winding* D 76
International Institute of Synthetic Rubber Producers ... Je 116
Rubber Conference ... O 102, Jl 76
Study Group ... D 7, Jl 94
IODINE CATALYST
Aero Service Corp. Solves a Problem ... O 91
ISAF Black, A High-Structure ... S 73
Italy ... N 102, 103, 104, Ja 103, F 110, Ap 104, My 108, Je 92, Jl 100, S 106

J

Jackson, Robt. M. ... *Portrait* Ja 94
Jaguar Plus—Cationic Guar Gum ... Je 18
Japan ... O 124, 125, N 103, 104, Ja 102, My 104, Jl 98, Au 102, S 106
Job Safety, Off the ... *M. R. Batche* Ma 67
On the ... *T. J. Cain* Ma 66
Jones, Clyde H. ... *Portrait* Ja 94
Richard J. ... *Portrait* D 107
Jugoslavia ... Jl 100
Juram, Wm. C., Jr. ... *Portrait* Ap 96

K

Karl, Wm. A. ... *Portrait* Ja 90
Kellett, Wm. G. ... *Portrait* Je 117
Kelley, John P. ... *Portrait* O 113
Kemmerley, J. Ross ... *Portrait* Ma 99
Kerscher, J. F. ... *Portrait* N 74
R. J. BROWN, R. B. KNILL, R. V. TODD
Compounding *Cis*-Polybutadiene for Pneumatic Tire Applications ... N 69
King, P. S. ... *Portrait* Au 88
Kinnen, R. E. ... *Portrait* Au 90
Kistiakowsky, Geo. B. ... *Portrait* O 113
Klavuhn, Raymond E. ... *Portrait* D 107
Knill, R. B. ... *Portrait* N 74
R. J. BROWN, J. F. KERSCHER, R. V. TODD
Compounding *Cis*-Polybutadiene for Pneumatic Tire Applications ... N 69
Krakowski, Henri ... *Portrait* O 114
Kuhns, Austin ... *Portrait* Je 112
KULLMAN, JACK R.
New Dynamic Test for Rubber ... F 73
KW-1920—Silicone Rubber Base Compound .. N 46

L

L-501—Silicone Surfactant ... Je 18
530, -531, -5310—Surfactants for Foams .. My 32
Lakin, J. R. ... *Portrait* D 107
Larabee, Byron H. ... *Portrait* Ja 94
Lasky, Jack S. ... *Portrait* My 98
Lastanes—Urethane System ... Au 18
LATEX
Chemicals ... Ap 18
Coagulant, Papain as a ... N 46
Compounding and Use of, Materials (Southern Group) ... S 89
Foam Rubber Council ... Ja 89
NR, Costs Reduced by Use of Starch/Bitumen ... F 76
High Solid-Low Viscosity, for Paper Coating—Dylex K-54W ... D 42
Styrene—Marmix 16123 ... O 48
Market ... O 127, N 108, D 124, Ja 106, F 114, Ma 106, Ap 114, My 114, Je 124, Jl 107, Au 110, S 111
Self-Curing—Lotol L-4634-D ... O 48
Thickener—Acrysol HV-1 ... My 32
Latin America ... F 108, 109, Ap 88, My 82, Jl 98-100, Au 98, 102
Lauroyl Peroxide—Truox ... Ja 30
Legal ... O 109, N 96, 106, Ja 90, F 93, Ap 88
Leonard, Sam W. ... *Portrait* N 101
Letters to the Editor ... Ma 110
Liberia ... S 104
Lichtenwalner, Hart K. ... *Portrait* Ap 94
Lippmann, Jules D. ... *Portrait* Je 111
Lipso Paste—Nylon-Rubber Material ... O 109
Liquid Hydrocarbon Polymers—Amopol Polypropenes ... Ma 42
Silicone Rubber—RTV-11 ... F 99
Loaded, Clay-, Butyl Insulation, Polyolefins Improve Heat Aging of ... *F. Rodriguez, C. C. Winding* D 76
Los Angeles Rubber Group, Inc. ... N 89, Ja 92, F 89, 110, My 79, Jl 83
Technical Conference, Third Annual ... My 81
Lotol L-4634-D—Self-Curing Latex ... O 48
Low-Temperature Rubber Plasticizer—Thiokol TP-105 ... F 24
Viscosity, High Solid-, Latex for Paper Coating—Dylex K-54W ... D 42

PAGES

LUBRICANTS
Fluorine-Type Mold Release—"Vydax" AR Ja 30
Silicone Mold Release without Surface Adhesion Problems—Dow Corning 230 Fluid, 231 Emulsion ..... F 28
Luperco AST, CST—Silicone Catalysts ..... Ap 18

M

M-6578—Foam Adhesive ..... Ap 18
Maassen, G. C. ..... *Portrait* Au 74
MacDonald, Gene W. ..... *Portrait* Ap 96
MacGowan, T. G. ..... *Portrait* D 1
Madden, G. T. ..... *Portrait* Ma 100
Magnesium Oxide in Chlorobutyl ..... *W. H. Deis, L. F. Heneghan* O 85
Malaya ..... O 116, N 103, 104, D 94, 114, Ja 101, F 107, Ma 104, 105, Ap 104, Je 117, Jl 99, 100, Au 100, S 106
Malcombson, Richard W. ..... *Portrait* F 110
MANNING, R. A.
Radiation Safety ..... Ma 69
Manufacturers, Silicone Parts, Cut Costs by Reclaiming Scrap ..... *Stuart V. d'Adolf* Ja 72
MAPS, TERRAIN
Aero Service Corp. Solves a Problem ..... O 91
Market, Rubber, Future of the ..... *J. C. Gerritsen* Ma 77
Tire, Negro, Who Will Win the? ..... Je 82
MARKETS AND PRICES
Compounding Ingredients ..... N 117, Ja 113, Ma 115, My 116, Jl 110, S 112
Latex ..... O 127, N 108, D 124, Ja 106, F 114, Ma 106, Ap 114, My 114, Je 124, Jl 107, Au 110, S 111
Natural Rubber ..... O 134, N 108, D 118, Ja 104, F 114, Ma 106, Ap 114, My 112, Je 121, Jl 106, Au 108, S 111
Reclaimed Rubber ..... O 134, N 110, D 122, Ja 108, F 114, Ma 107, Ap 114, My 114, Je 122, Jl 106, Au 110, S 108
Scrap Rubber ..... O 128, N 110, D 124, Ja 106, F 114, Ma 110, Ap 114, My 114, Je 124, Jl 107, Au 108, S 108
Synthetic Rubber ..... O 126, N 107, D 118, Ja 104, F 112, Ma 107, Ap 112, My 112, Je 118, Jl 105, Au 110, S 108
Prices ..... N 112, Ja 111, F 118, Ap 117, Je 126, Au 112
Tire Cord ..... O 127, N 107, D 124, Ja 107, F 114, Ma 108, Ap 112, My 110, Je 124, Jl 106, Au 108, S 108
Marmix 16123—High Styrene Latex ..... O 48
Maroon CP-1480, Brilliant Toning ..... Ma 52
Martin, G. ..... *Portrait* Jl 77
Mason, W. Horace ..... *Portrait* O 115
Masterbatches, Resin—Plioflex 1901, 1950 ..... My 38
Materials Handling Equipment, Trends in ..... *O. S. Carliss* Ja 69
Mats, Auto, Clap-Hands Press Cuts ..... D 85
McDowell, David E. ..... *Portrait* D 108
McGrath, Frank J. ..... *Portrait* Ja 94
McKay, E. T. ..... *Portrait* F 99
McKeevier, L. K. ..... *Portrait* D 107
McKenzie, J. P. ..... *Portrait* D 91
McMullen, A. L. ..... *Portrait* N 100
Meade, Edwin D. ..... *Portrait* O 115
Measuring Ozone Cracking, Stress Relaxation for, The ..... *G. E. Decker, R. W. Wise* Ap 66
Mechanical Rubber Goods Processing (Chicago Group) ..... Ma 82
Medcalf, E. C. ..... *Portrait* S 102
Mellinger, Glenn A. ..... *Portrait* N 100
Messner, John W. ..... *Portrait* N 101
Metzer, Chas. ..... *Portrait* Ma 100
Meyer, John E. ..... *Portrait* My 100
Mexico ..... F 108, 109, Jl 99, 100, Au 102
MICRORADIOGRAPHY
New Techniques for Evaluating Pigment Dispersion in Rubber. *Wm. H. Hess* N 78, D 80, 126
Millar, Jas. A. ..... *Portrait* My 100
Miller, Ronald H. ..... *Portrait* N 101
Milward, F. W. ..... *Portrait* F 103
Min-U-Sil—Silicone Rubber Filler ..... O 54
Mitchell, Andrew ..... *Portrait* My 100
Edwin T. ..... *Portrait* Ja 96
Mixture, Polymerized Fatty Acid, for Resin Systems—Harcure Dimer 870 ..... F 40
Mold Release, Fluorine-Type—"Vydax" AR Ja 30
Tire, Adhesive, Tygoweld 53 ..... O 54
Molding, Injection, Rubber Parts ..... Jl 63
MOLECULAR SIEVE MATERIALS
Convenient, Stable, One-Can Epoxy Systems N 85
Monomers, Acrylic (HEMA, HPMA), Lower Cost Claimed for ..... S 18
Montermoso, Juan ..... *Portrait* Ja 96
Mooney, Melvin ..... *Portrait* Je 85
Morrill, John P. ..... *Portrait* F 103
MP-6125—Lettering Compound ..... My 42
Murphree, Eger V. ..... *Portrait* S 96
MURRAY, K., J. K. SIERON
High-Temperature Rubbers for Air Force Use ..... Ap 61
Murray, Robt. M. ..... *Portrait* Ja 95
Musser, Vernon E. ..... *Portrait* S 101

N

Napier, Jas. A. ..... *Portrait* F 105
Nater, Jas. Ronald ..... *Portrait* F 104
NATIONAL
Association of Secondary Materials, Inc. ..... F 100
NATIONAL
Research Council of Canada ..... F 90
Safety Council ..... N 83
Tire Dealers & Retreaders Assn. ..... N 92, Ja 82
Natsyn, Compounding ..... *Robt. V. Todd* My 69
Natural Rubber Latex Foam Costs Reduced by Use of Starch/Bitumen ..... F 76
Near East ..... Ja 102
Negro Tire Market, Who Will Win the? ..... Je 82
Nelson, Leroy C. ..... *Portrait* Au 88
Neoprene, *see Synthetic Rubbers*
Netherlands ..... O 123, N 110, F 109, Au 102
NEW
Black for Polybutadiene, A—Statex RH ..... My 73
Classification System for Rubber—ASTM D 2000—SAE J 200 ..... Je 67
Dynamic Test for Rubber ..... *Jack R. Kullman* F 73
Materials ..... O 48, N 38, D 34, Ja 30, F 24, Ma 42, Ap 18, My 26, Je 18, Jl 16, Au 18, S 16
NEW PRODUCTS
Adapter, Rubber—PAR-NE ..... My 42
Adhesive, Foam-to-Fabric—Tylac Latex CD-1-80-1 ..... D 48
Bags, Paper, Clupak Extensible ..... O 112
Bars, Cutter, Urethane ..... My 46
Bearing, Marine ..... My 46
Prelubricated ..... Ja 89
Belt, V-, Goodrich's Glasstex ..... Je 100
Brake, Disk, Commercial ..... O 36
Butyl Compounds, RTV—Duribbons—Sealants ..... Jl 18
Convevor Design, Curve-Flo ..... O 136
Couplings, Rubber, for Tugboat Engines ..... N 98
Gloves, Work, Nitrile ..... Ja 103
Hose, Air Duct—Redar ..... My 46
Conductive, Rubber, Relieves Static Problems ..... F 42
Hoses, High Vacuum ..... S 40
Lamp-Boots, Silicone Rubber Colored ..... Ma 58
Lettering Compound—MP-6125 ..... My 42
Magnetic Rubber ..... D 56
Markers, Traffic, Silicone Rubber ..... N 50
Mask, Oxygen, Silicone ..... O 104
Mattress for Fallout Shelter Use ..... N 98
O-Rings, Miniature ..... Jl 18
Packing, Teflon ..... Ja 42
Rolls, Silicone, Release ..... My 42
Rope, Rubber, for Boat Snubbers ..... O 90
Seal, Low Friction ..... D 58
Sealer, Liquid Rubber, Containing 100% Solids—Rubbaseal E ..... F 42
Sealers, Rubber—3M Brand Twin Bead ..... D 56
Seals, Ring, Rotary Pressure ..... Ma 58
Rubberized, for Missile Launchers ..... Ja 92
Suit, Survival ..... Ja 91
Tanks, Storage, Giant Fabric ..... N 52
Tape, Liquid Adhesive—Shamrock ..... D 58
TIRES
Airplane—Jet, Show Color When Worn ..... N 50
Off-the-Road—Wire Reinforced ..... D 56
PASSENGER
Low-Profile, Five-Rib ..... O 40
Three-Rib ..... O 40
Premium Miracle Extra Mileage (Armstrong) ..... Jl 18
Twin Tread Puncture-Sealing ..... Ma 60
Winter (Firestone) ..... S 40
Snow (Goodyear) ..... O 109
Tractor (Farm—Goodrich) ..... S 40
("Super-Torque") ..... Ja 42
TRUCK
BR (U. S. Rubber) ..... Jl 18
Cured in Airplane Mold—Super Flotation ..... F 96
Trans-Rib for Delivery Vehicles ..... O 36
Tubing, Closed-Cell—Cell-Tite ..... My 42
Vest, Skin Diver's ..... My 46
Webbing, Furniture ..... O 40
Yarn, Buthane Elastic ..... F 99
NEW
Publications ..... O 64, N 62, D 46, Ja 48, F 16, Ap 52, Je 48, Jl 46, Au 44, S 47
Techniques for Evaluating Pigment Dispersion in Rubber. *Wm. M. Hess* N 78, D 80, 126
York Outside Market ..... O 134, N 108, D 118, Ja 104, F 114, Ma 106, Ap 114, My 112, Je 121, Jl 106, Au 108, S 111
Rubber Group ..... N 88, F 89, My 79, Jl 83
News About People ..... O 113, N 100, D 107, Ja 94, F 103, Ma 99, Ap 94, My 98, Je 104, Jl 90, Au 86, S 101
Of the Rubber World ..... O 7, N 7, D 7, Ja 7, F 7, Ma 7, Ap 7, My 7, Je 7, Jl 7, Au 7, S 7
Newton, Thos. J. ..... *Portrait* F 105
Nichol, Wm. J. ..... *Portrait* S 101
Nickel Dibutyl Dithiocarbamate—Pelletized Antiozonant ..... S 18
Nigeria ..... N 104, D 114, 116, F 108, Au 107, S 104
Nitrile-Content, High, Rubber—Chemigum N 300 ..... Ap 18
Rubbers, *see Synthetic Rubbers*
Non-Flam—Non-Flammable Cement ..... O 48
NON-FLAMMABLE CEMENT
Ank-Seam ..... N 46
Non-Flam ..... O 48
Non-Separating Silicone Catalyst Dispersions Ja 30
Staining Antioxidant—Wing-Stay V ..... N 46
Tire Uses of Polybutadiene ..... *J. F. Svetlik, W. S. Hall, E. F. Ross* Jl 72
Nordel—Sulfur-Vulcanizable EPR ..... My 64
Northern California Rubber Group ..... Jl 83
Norway ..... Ja 84
Nylon-Rubber Material—Lipso Paste ..... O 109

O

OBITUARIES
Bradley, Paul F. ..... Ap 98
Catton, Neil L. ..... *Portrait* Je 104
Cooper, Leslie V. ..... *Portrait* Ap 98
Cretney, Robt. W. ..... Je 112
Daum, Geo. A. ..... *Portrait* Je 112
Doss, Ray ..... F 100
Gates, Chas. C. ..... O 111
Houdry, Eugene J. ..... Au 7
Jones, Webster N. ..... Jl 93
Krismann, Emil H. ..... *Portrait* My 98
Kuhns, Austin ..... *Portrait* Je 112
Manchester, Philip S. ..... Au 90
McElligott, Jas. K. ..... *Portrait* Ap 98
McKenzie, Jas. P. ..... *Portrait* Ma 103
McNurney, Wm. F. ..... Je 112
Meyer, Albert L. ..... S 102
Mounce, Troy G. ..... Je 112
Muehlstein, Herman ..... Au 7
Scanlan, Thos. R., Sr. ..... F 100
Schiff, Emile L. C. ..... F 100
Seaman, Robt. G. ..... *Portrait* Je 104
Seiberling, John F. ..... Au 90
Stacy, Thos. F. ..... *Portrait* Ma 103
Talalay, Jos. A. ..... *Portrait* D 120
Taylor, Harold G. ..... F 100
Wake, Walter A. ..... Ap 89
Williams, Ira ..... *Portrait* Ja 90
Off the Beaten Track ("Terra-Tires") ..... Jl 7
Job Safety ..... *M. R. Batche* Ma 67
Oils, Extender, Tests for ..... Au 64
On the Job Safety ..... *T. J. Cain* Ma 66
One-Can Epoxy Systems, Convenient, Stable. N 85
Part Urethane Coatings—Chemglaze Coatings N 38
Ontario Rubber Group ..... N 90, Ja 79, 92, My 81, Je 87
Orbitread—Electronic Device System ..... My 90
O-Rings, Silicone, Designing ..... *Geo. W. Dyckes* Ap 73
Ormsby, Ross R. ..... *Portrait* D 101, Ja 93
Orphans' Report (Technology Outlook) ..... Ja 67
Ostermayer, Robt. W., Jr. ..... *Portrait* O 113, Au 88
Oxides, Magnesium, in Chlorobutyl ..... *W. H. Deis, L. F. Heneghan* O 85
Ozone Cracking, Stress Relaxation Method for Measuring, The ..... *G. E. Decker, R. W. Wise* Ap 66
Resistance, and Weather (Akron Group) ..... My 77
Test, Quantitative, A ..... *Chas. Schaef* F 79

P

Painter, John W. ..... *Portrait* F 103
Painting and Adhesives Costs, Can Airless Sprayers Cut Your? ..... F 77
Papain as a Latex Coagulant ..... N 46
Pakistan ..... F 109
Panzetta, F. M. ..... *Portrait* Jl 77
Paper Coating, High Solid-Low Viscosity Latex for—Dylex K-54W ..... D 42
Papers, Patented Release ..... Ma 52
PAR-NE—Rubber Adapter ..... My 42
Parsons, Warren M. ..... *Portrait* F 109
Parts, Rubber, Injection Molding ..... Jl 63
Silicone, Manufacturers Cut Costs by Reclaiming Scrap ..... *Stuart V. d'Adolf* Ja 72, F 110
Paste, Silicone Rubber—RTV-77 ..... D 42
Patented Release Papers ..... Ma 52
Paul, Wilbur J. ..... *Portrait* Jl 90
Pauley, Claude A. ..... *Portrait* F 97
Paulsen, Donald D. ..... *Portrait* O 113
Pelletized Antiozonant—Nickel Dibutyl Dithiocarbamate ..... S 18
Vinyl Color Concentrates, Apex ..... Ja 30
Pennington, C. Wm. ..... *Portrait* Je 106
Peroxide, Lauroyl, Improved—Truox ..... Ja 30
Pfau, Roger ..... *Portrait* Ma 99
Philadelphia Rubber Group ..... O 102, N 88, D 92, Ma 84
Philippine Islands ..... Ja 95, 90
Piccodiene 2215—Heat-Reactive Hydrocarbon Resin ..... F 40
Piccopale A-55 Emulsion—Hydrocarbon Resin Emulsion ..... O 54
Pickles, Robt. W. ..... *Portrait* N 100
Pieroth, L. F. ..... *Portrait* Ap 90
Pigment Dispersion in Rubber, New Techniques for Evaluating. *Wm. M. Hess* N 78, D 80, 126
Pigments, Cadmium ..... Je 118
Pikna, Raymond J. ..... *Portrait* N 101
Plant, Small, Fire Protection in a ..... Ma 74
PLASTICIZERS
Extender—Escoflex 125 ..... S 10
Film Former—Texanols ..... Ja 30
Low-Temperature Rubber—Thiokol TP-105 F 24
PVC, for—Santicizer ..... N 46
TriOctyl TriMelliate (PX-388) ..... Je 18
Vinyl—Flexol TCP ..... Au 18
Plastolein 9066 LT ..... My 38
Plastolein 9066 LT—Vinyl Plasticizer ..... My 38
Plioflex 1901, 1950—Resin Masterbatches ..... My 38
Pneumatic Tire Applications, Compounding *Cis*-Polybutadiene ..... *R. J. Brown, R. B. Knill, J. F. Kerscher, R. V. Todd* N 69
Poland ..... N 102, 104, F 109
Polyacrylate Rubber for Seals, O-Rings, and Gaskets—Thiacril Polyacrylate Rubber 36 Ja 30
Thiacril Rubber 44 ..... Je 18

POLYBUTADIENE
Cis-, for Pneumatic Tire Applications, Compounding ..... *R. J. Brown, R. B. Knill, J. F. Kerscher, R. V. Todd* N 69
Weather-Resistant, and *Cis-*Polyisoprene Compounds ..... *J. C. Ambelang, B. W. Habeck* S 55
Cisdene 100 ..... F 28
New Black for, A—Statex RH ..... My 73
100%, New Black May Be Key to—65-SPF ..... Je 72
Uses, Non-Tire, of ..... *J. F. Svetlik, W. S. Hall, E. F. Ross* Jl 72
Polybutenes ..... Je 18
Polyester—Glamour Cord ..... Jl 86
Polyisoprene, *Cis-*, Compounds, Weather Resistant *Cis-*Polybutadiene and ..... *J. C. Ambelang, B. W. Habeck* S 55
Polymerized Fatty Acid Mixture for Resin Systems—Harcure Dimer 870 ..... F 40
Polymers, Liquid Hydrocarbon—Amopol Polypropenes ..... Ma 42
Polyolefins Improve Heat Aging of Clay-Loaded Butyl Insulation ..... *F. Rodriguez, C. C. Winding* D 76
Polypropenes, Amopol—Liquid Hydrocarbon Polymers ..... Ma 42
Polysulfide Rubber, *see Synthetic Rubbers—Thiokol*
Polyurethane Materials—Vibrathane ..... F 30
Polzer, Geo. F. ..... *Portrait* F 103
Porter, W. D. ..... *Portrait* F 103
Poskitt, Ralph I. ..... *Portrait* Ja 95
Powder, Epoxy, Adhesive Has High Peel Strength on Rubber Bands—Epon Adhesive 917 ..... F 24
Powers, John E. ..... *Portrait* Ma 99
P. O. ..... *Portrait* O 114
"Preprocessing" Ameripol CB ..... *D. V. Sarbach* Au 68
Press, Clap-Hands, Cuts Auto Mats ..... D 85
Process Aid, Urethane—Vibrathane 5005 ..... Je 18
Processing, Easy-, Silicone Rubber—Silastic 241U ..... N 46
Mechanical Rubber Goods (Chicago Group) ..... Ma 82
Propylene, Ethylene-, Rubber Now on Market ..... O 81
Sulfur-Vulcanizable—Nordel ..... My 64
Protection, Fire, in a Small Plant ..... Ma 74
Publications, New ..... O 64, N 62, D 46, Ja 48, F 16, Ap 52, Je 48, Jl 46, Au 44, S 47
Purifying Gutta Percha ..... Au 67
"Purple-K" Fire Extinguishers ..... N 83
PVC, Plasticizer for—Santicizer 411 ..... N 46
TriOctyl TriMelliate (PX-338) ..... Je 18
PX-338 (TriOctyl TriMelliate)—PVC Plasticizer ..... Je 18
Pyne, Chas. S. ..... *Portrait* F 103

Q

Quantitative Ozone Test, A ..... *Chas. Schaef* F 79
Quebec Rubber & Plastics Group ..... O 102, D 93, Ja 79, F 90, My 81, Au 107

R

Radiation Safety ..... *R. A. Manning* Ma 69
Ramalacq—High-Solid Epoxy Finish ..... S 18
Ray-Bond R-82016 (Adhesive) ..... Jl 87
Rayon Yarn, Treated—TF-NZN ..... S 16
Reclaimed Rubber Market ..... O 134, N 110, D 122, Ja 108, F 114, Ma 107, Ap 114, My 114, Je 122, Jl 106, Au 110, S 108
Reclaiming Scrap, Silicone Parts Manufacturers Cut Costs by ..... *Stuart V. d'Adolf* Ja 72, F 110
Redar Hose ..... My 46
Reid, Harland H. ..... *Portrait* Ma 100
Reinforcement (Southern Group) ..... Ma 81
Relaxation, Stress, Method for Measuring Ozone Cracking, The ..... *G. E. Decker, R. W. Wise* Ap 66
RELEASE
Agent, Silicone, Coatings Possible with—Dow Corning 230 Fluid, 231 Emulsion ..... F 28
S-142 ..... My 26
Solusil-RA ..... F 28
With Improved Substrata Adhesion—CHR Rulon ..... Ma 50
Mold, Fluorine-Type—"Vydax" AR ..... Ja 30
Papers, Patented ..... Ma 52
Spray, Silicone—Fumol "203" ..... S 16
Report, Orphans' (Technology Outlook) ..... Ja 61
RESIN
Developed for Butyl, EPR, and Other Specialty Elastomers ..... *G. B. Freda, R. L. Stukey* Ja 63
Emulsion, Hydrocarbon—Piccopale A-55 ..... O 54
Heat-Reactive Hydrocarbon—Piccodiene 2215 ..... F 40
Masterbatches—Pliolite 1901, 1950 ..... My 38
Solution Gives Surface Protection—Bostik Coating S 175-241 ..... S 16
Styrene—Amoco Resin 18 ..... My 38
Systems, Polymerized Fatty Acid Mixture for —Harcure Dimer 870 ..... F 40
Resistance, Ozone and Weather (Akron Group) ..... My 77
Resistant, Weather, *Cis-*Polybutadiene and *Cis-*Polyisoprene Compounds ..... *Jos. C. Ambelang, B. W. Habeck* S 55
Ress, Donald F. ..... *Portrait* Ja 95
Rhoad, M. J. ..... *Portrait* F 103
Rhode Island Rubber Club ..... D 92, My 78, Au 76
Richardson, Ingram H. ..... *Portrait* Je 106
Roberts, J. C. ..... *Portrait* Jl 93
Jas. W. ..... *Portrait* Ap 94
Rochow, Eugene G. ..... *Portrait* Ma 94, 95
RODRIGUEZ, F., AND C. C. WINDING
Polyolefins Improve Heat Aging of Clay-Loaded Butyl Insulation ..... D 76
Rogers, Howard V. ..... *Portrait* My 98
Release Silicone Rubber Rolls ..... My 42
Rolls, Silicone for—SE-415 ..... My 26
Rubber, Release ..... My 42
Ross, Bryant C. ..... *Portrait* O 114
E. F. ..... *Portrait* Jl 74
J. F. SVETLIK, W. S. HALL
Non-Tire Uses of Polybutadiene ..... Jl 72
Rotocure Machine, Calendering and the (Ontario Group) ..... My 81
Rowe, Perce ..... *Portrait* F 105
RTV-11—Liquid Silicone Rubber ..... F 99
77—Silicone Paste ..... D 42
102—Silicone Adhesive ..... Jl 16
-910, -911—Silicone Thinners ..... Jl 16
Butyl Compounds—Duribbons ..... Jl 16
Rubbaseal E—New Liquid Rubber Sealer Containing 100% Solids ..... F 42
RUBBER
Association of Canada ..... Ja 95, Au 100
Classification System for, New—ASTM D 2000-SAE J 200 ..... Je 67
Compounds, Colored, Designing of (Southern Group) ..... D 89
Conference, International ..... Jl 76
Desiccant—Caloxol C-31 ..... Je 18
Dynamic Test for Rubber, New ..... *Jack R. Kullman* F 73
Ethylene-Propylene, Now on Market ..... O 81
Fabric, to-, Adhesion, A Terpolymer for Better —Pliolite Latex VP100 ..... Ma 50
Manufacturers Assn., Inc. ..... D 95, 101, Ja 93, Ma 87, 105, My 88, Je 91, Au 83, 84
Tribute to the—Its Organizations and Functions ..... Ja 75
Market, Future of the ..... *J. C. Gerritsen* Ma 77
Nylon-, Material—Lipso Paste ..... O 109
Parts, Injection Molding ..... Jl 63
Pigment Dispersion in, New Techniques for Evaluating ..... *Wm. M. Hess* N 78, D 80, 126
Reclaimers Assn., Inc. ..... Ma 97
Technology Conference, Fourth ..... Jl 78
Trade Assn. of New York, Inc. ..... Ma 105
New York Outside Market ..... O 134, N 108, D 118, Ja 104, F 114, Ma 106, Ap 114, My 112, Je 121, Jl 106, Au 108, S 111
WORLD
Fink Joins Advisory Board ..... Ma 96
Samuels Joins Advisory Board ..... D 96
Statement of ..... O 136
Ruch, Elden H. ..... *Portrait* D 91
Rumania ..... D 116
Russell, Wm. F. ..... *Portrait* My 100
Russia ..... O 121, 122, 125, D 116, F 108, 109, Ma 105
Rutherford, Wm. L. ..... *Portrait* D 108

S

65-SPF—New Black May Be Key to 100% Polybutadiene ..... Je 72
S-142—Release Agent ..... My 26
175-241, Bostik Coating—Resin Solution Gives Surface Protection ..... S 16
Sadler, Joel C. ..... *Portrait* F 104
SAFETY
ACCENT ON
Off the Job ..... *M. R. Batche* Ma 67
On the Job ..... *T. J. Cain* Ma 66
Radiation ..... *R. A. Manning* Ma 69
Fire Protection in a Small Plant ..... Ma 74
Salem, Sam ..... *Portrait* Ma 99
Samuels, Martin E. ..... *Portrait* D 76
Santicizer 411—Plasticizer for PVC ..... N 46
Sarbach, D. V. ..... *Portrait* Au 70
"Preprocessing" Ameripol CB ..... Au 68
Sawyer, Richard M. ..... *Portrait* Ja 95
SBR, *see Synthetic Rubbers*
SCHAEF, CHAS.
Quantitative Ozone Test, A ..... F 79
Schatzel, R. A. ..... *Portrait* D 104
Schneider, M. H. ..... *Portrait* N 100
Schoellhorn, Robt. A. ..... *Portrait* F 105
Schrank, Edwin P. ..... *Portrait* F 103
Schron, David A. ..... *Portrait* Ja 95
Schwert, Paul J. ..... *Portrait* O 114
Scrap, Reclaiming, Silicone Parts Manufacturers Cut Costs by ..... *Stuart V. d'Adolf* Ja 72, F 110
Rubber Market ..... O 128, N 110, D 124, Ja 106, F 116, Ma 110, Ap 114, My 114, Je 124, Jl 107, Au 108, S 108
SE-415—Silicone for Rolls ..... My 26
Sealants—Duribbons—RTV Butyl Compounds ..... Jl 16
Self-Curing Latex—Lotol L-4634-D ..... O 48
Setsit-51—Latex Accelerator ..... Ap 18
Shamrock Liquid Adhesive Tape ..... D 58
Shepard, Alan B. ..... *Portrait* Au 86
Sheppard, Thos. ..... *Portrait* O 115
Shipps, Robt. D. ..... *Portrait* S 69
Silicone Bases and Gums Offer Chance to Compound Your Own Stocks ..... S 69
SIERON, J. K., AND K. MURRAY
High-Temperature Rubbers for Air Force Use ..... Ap 61
Silastic 241U—Easy-Processing Silicone Rubber ..... N 46
434, 435—Silicone Bases ..... My 26
RTV 732—Silicone Adhesive, Sealant ..... S 18
S5370—Silicone Rubber Foam ..... D 34
SILICONE
Adhesive—RTV-102 ..... Au 16
Silastic RTV 732 ..... S 18
Bases and Gums Offer Chance to Compound Your Own Stocks ..... *Robt. D. Shipps* S 69
Catalysts—Luperco AST, CST ..... Ap 18
O-Rings, Designing ..... *Geo. W. Dyckes* Ap 73
Release Agent, Coatings Possible with—Dow Corning 230 Fluid, 231 Emulsion ..... F 28
Spray—Fumol "203" ..... S 16
RUBBER
BASE
Silastic 434, 435 ..... My 26
Y-3277—Free Catalyst Supplies with New ..... N 75
Compound, KW-1330, -1920 ..... N 46
Y-3131 ..... N 46
Catalysts—Non-Separating Silicone Catalyst Dispersions ..... Ja 30
Dry Synthetic Rubbers Except SBR, Available ..... O 94
Easy-Processing—Silastic 241U ..... N 46
Filler—Min-U-Sil ..... O 54
Foam—Eccosil 5000 RTV ..... Ma 42
Silastic RTV S 5370 ..... D 34
Liquid—RTV-11 ..... F 99
Parts Manufacturers Cut Costs by Reclaiming Scrap ..... *Stuart V. d'Adolf* Ja 72, F 110
Paste—RTV-77 ..... D 42
Rolls, for—SE-415 ..... My 26
School (G.E.) ..... Au 80
Sealant—Silastic RTV 732 ..... S 18
Surfactant—LS01 ..... Je 18
Thinners—RTV-910, -911 ..... Jl 16
Silver, Richard L. ..... *Portrait* Je 106
Singapore ..... O 124, Ma 104
Slade, Wm. F. ..... *Portrait* F 104
Small Plant, Fire Protection in a ..... Ma 74
Smith, Frank ..... *Portrait* Ja 79
Herbert D. ..... *Portrait* F 105
Sneakers Are In ..... D 87
SOCIETY OF
Automotive Engineers ..... Ma 84
J 200-ASTM D 2000—New Classification System for Rubber ..... Je 67
Plastics Engineers, Inc. ..... Ja 78
Montreal Section ..... F 90
The Plastics Industry ..... Jl 90
Solid, High-, Epoxy Finish—Ramalacq 25-31 ..... S 18
Low Viscosity Latex for Paper Coating—Dylex K-54W ..... D 42
Solusil-RA—Release Agent ..... F 28
Solution, Resin, Gives Surface Protection—Bostik Coating S 175-241 ..... S 16
Source, New, for Water Ground Calcium Carbonate ..... F 86
South America ..... N 104, D 114, Ja 103, Ma 105, My 107, Jl 98
Southern Ohio Rubber Group ..... F 89
Rubber Group ..... D 89, Ma 81, Au 79
Spain ..... Ma 105, Jl 98
Sparks, W. J. ..... *Portrait* O 100, S 96
Specialty Elastomers, Resins Developed for Butyl, EPR, and Other ..... *G. B. Freda, R. L. Stukey* Ja 63
Splitting Machines, Two New ..... Jl 75
Sponge Filler ..... Je 18
Spray, Anti-Friction—Bemol Moli-Spray ..... Ap 18
Silicone Release—Fumol "203" ..... S 16
Sprayers, Airless, Can, Cut Your Painting and Adhesives Costs ..... F 77
Stable, One-Can Epoxy Systems, Convenient ..... N 85
Starch/Bitumen, NR Latex Foam Costs Reduced by Use of ..... F 76
Statex RH—A New Black for Polybutadiene ..... My 73
STATISTICS
Africa ..... S 104
Courses ..... Ap 86
Germany—Retread Tire Sales ..... Jl 98
Malaya—Rubber Exports—1961-1962 ..... S 106
And Singapore—1961 Rubber Exports ..... Ma 104
UNITED STATES
African Rubber, Imports of ..... S 104
Carbon Black ..... D 132, F 128, Ap 124, Je 136, Au 120
Fabrics, Tire Production ..... O 140, D 131
LATEXES, NATURAL AND SYNTHETIC
Consumption of ..... O 138, D 128, F 124, Ap 120, Je 133, Au 117
Imports and Production of ..... O 138, D 128, F 124, Ap 120, Je 133, Au 117
NATURAL RUBBER
Consumption of ..... O 138, D 128, Ja 93, F 124, Ap 120, Je 133, Au 117
Imports and Production of ..... O 138, D 128, F 124, Ap 120, Je 133, Au 117
Reclaimed Rubber ..... O 138, 142, D 128, Ja 93, F 124, Ap 120, Je 133, Au 117
RUBBER INDUSTRY
Economic Indicators ..... O 142, D 134, F 126, Ap 122, Je 134, Au 118
Employment, Wages, Hours ..... O 140, D 131, F 126, Ap 122, Je 134, Au 118
Sales and Inventories ..... O 142, D 132, Ap 120, Je 136, Au 120
Scrap Rubber ..... Jl 107–109
Consumption of ..... O 138, D 128, Ja 83, F 124, Ap 120, Je 133, Au 117
Exports of ..... O 138, D 128, F 124, Ap 120, Je 133, Au 117
Imports and Production of ..... O 138, D 128, F 124, Ap 120, Je 133, Au 117
Tires ..... O 142, D 134, Ja 83, F 131, Ap 124, Je 136, Au 120
Tubes ..... O 142, D 132, F 128, Ap 124, Je 136, Au 120

PAGES

STATISTICS
WORLD
Carbon Black Capacity in 1963.....Ap 104
NATURAL RUBBER
Consumption of.....O 140, D 131, F 126, Ap 122, Je 134, Au 118
Production of.....O 140, D 131, F 126, Ap 122, Je 134, Au 118
Reclaim Rubber, Consumption of..O 142, F 128
SYNTHETIC RUBBER
Consumption of.....O 140, D 131, F 126, Ap 122, Je 134, Au 118
Production of.....O 140, D 131, F 126, Ap 122, Je 134, Au 118
Stereo Rubbers (Chicago Group).....Ap 85
Stern, Jim.....*Portrait* F 89
Stimets, Richard, Sr.....*Portrait* O 115
Stocks, Rubber, Graphs Ease Compounder's Task in Formulating.....Ma 72
Your Own, Silicone Bases and Gums Offer Chance to Compound....*Robt. D. Shipps* S 69
Straka, Leora E.....*Portrait* Jl 69
Strassburg, Roger W.....*Portrait* D 107
Strasser, Dale.....*Portrait* Ja 94
Strauss, Richard.....*Portrait* F 105
Stress Relaxation Method for Measuring Ozone Cracking, The.....*G. E. Decker, R. W. Wise* Ap 66
Strube, E. J.....*Portrait* D 91
Structure, High-, ISAF Black, A.....S 73
Of Carbon Black, The Dual.....*Andries Voet, Wm. N. Whitten, Jr* Je 77
STUKEY, R. L., G. B. FREDA AND
Resin Developed for Butyl, EPR, and Other Specialty Elastomers.....Ja 63
Styrene-Butadiene Rubber, *see Synthetic Rubbers, SBR*
High, Latex—Marmix 16123.....O 48
Resin—Amoco Resin 18.....My 38
Sulfur-Vulcanizable EPR—Nordel.....My 64
Surface Protection, Resin Solution Gives—Bostik Coating S 175-241.....S 16
Surfactant, Silicone—L-501.....Je 18
Surfactants for Foams—L-530, -531, -5310..My 32
Susie, A. G.....*Portrait* Au 88
Svetlik, J. F.....*Portrait* Jl 74
W. S. HALL, E. S. ROSS
Non-Tire Uses of Polybutadiene.....Jl 72
Swaney, M. W.....*Portrait* My 98
Swart, G. H.....*Portrait* S 101
Sweden.....Jl 88
Switzerland.....Au 102

SYMPOSIA
Calendering and the Rotocure Machine (Ontario Group).....My 81
Compounding and Use of Latex Materials (Southern Group).....D 89
Curing (Southern Group).....Ma 81
Designing of Colored Rubber Compounds (Southern Group).....D 89
Elastomers (Fort Wayne Rubber & Plastics Group).....N 87
EPR (Boston Group).....My 80
High Polymer Forum, Canadian.....F 90, Je 88
Mechanical Rubber Goods Processing (Chicago Group).....Ma 82
Ozone and Weather Resistance (Akron Group).....My 77
Reinforcement (Southern Group).....Ma 81
Stereo Rubbers (Chicago Group).....Ap 85
Tires and America's Modern Highways (Akron Group).....Ja 77

SYNTHETIC LATEX
Dylex K-54W—High Solid-Low Viscosity Latex for Paper Coating.....D 42
Pliolite Latex VP100—Terpolymer for Better Rubber-to-Fabric Adhesion.....Ma 50

SYNTHETIC RUBBER
Ameripol CB, "Preprocessing".....*D. V. Sarbach* Au 68
Attorney General's Report.....Ma 86
BR, Converting SBR Lines to.....My 61
BUTYL
Chlorobutyl Inner-Liners Decrease Blowouts.....*R. H. Dudley, J. V. Fusco* S 63
Compounds, RTV—Duribbons.....Jl 16
Highly Unsaturated.....*H. H. Waddell, J. V. Fusco, L. T. Eby* Au 57
Insulation, Polyolefins Improve Heat Aging of Clay-Loaded.....*F. Rodriguez, C. C. Winding* D 76
Magnesium Oxide in Chlorobutyl....*W. H. Deis, L. F. Heneghan* O 85
Resin Developed for, EPR, and Other Specialty Elastomers.....*G. B. Freda, R. L. Stukey* Ja 63
Chemigum N 300 — High-Nitrile-Content Rubber.....Ap 18
Chemivic Tubing Formulation.....Au 18
Cisdene-100 Polybutadiene.....F 28
Cis-Polybutadiene and *Cis*-Polyisoprene Compounds, Weather Resistant.....*J. C. Ambelang, B. W. Habeck* S 55
Dry, Except SBR, Available.....O 94
Ethylene-Propylene Rubber Now on Market.....O 81
Sulfur-Vulcanizable—Nordel.....My 64
High-Temperature Rubbers for Air Force Use *J. K. Sieron, K. Murray* Ap 61
Natsyn, Compounding.....*Robt. V. Todd* My 69
Neoprene HC, ILA.....S 16
Nitrile-Content, High-, Rubber—Chemigum N 300.....Ap 18
Pliolite Latex VP 100—Terpolymer for Better Rubber-to-Fabric Adhesion.....Ma 50

PAGES

SYNTHETIC RUBBER
Polyacrylate Rubber—Thiacril 36.....Ja 30
44.....Je 18
Polybutadiene, Black, A New, for—Statex RH.....My 73
Cis-, Compounding, for Pneumatic Tire Applications.....*R. J. Brown, R. B. Knell, J. F. Kerscher, R. V. Todd* N 69
Uses, Non-Tire, of.....*J. F. Svetlik, W. S. Hall, E. F. Ross* Jl 72
Resistance, Ozone and Weather (Akron Group).....My 77
SBR Numbers, Committee D-11 Assigns D 105, Ma 96, Ap 92
Stereo Rubbers (Chicago Group).....Ap 85
Thiacryl Polyacrylate Rubber 36.....Ja 30
Thiokol TP-105—Low-Temperature Rubber Plasticizer.....F 24
ZR-454—Improved Chemical and Solvent Resistant Polysulfide Rubber.....Ma 50

T

Tackifier—Durez 19900.....Au 18
Techniques, New, for Evaluating Pigment Dispersion in Rubber.....*Wm. M. Hess* N 78, D 80, 126
Technology Conference, Rubber, Fourth.....Jl 78
OUTLOOK FOR
Orphans' Report.....Ja 61
Temperature, High-, Polymerization Catalyst—USP-611.....Ma 52
Rubbers for Air Force Use.....*J. K. Sieron, K. Murray* Ap 61
Low-, Rubber Plasticizer—Thiokol TP-105..F 24
Terpolymer for Better Rubber-to-Fabric Adhesion—Pliolite Latex VP100.....Ma 50
Test, Dynamic, for Rubber, New.....*Jack R. Kullman* F 73
Quantitative, Ozone, A.....*Chas. Schaef* F 79
Tests for Extender Oils.....Au 64
Texanols—Film Former Plasticizers.....Ja 30
TF-NZN—Treated Rayon Yarn.....S 16
Thailand.....N 110, Jl 96
Thiacril Polyacrylate Rubber 36.....Ja 30
44.....Je 18
Thickener, Latex—Acrysol HV-1.....My 32
Thies, L. P.....*Portrait* D 108
Thinners, Silicone—RTV-910, -911.....Jl 16
Thiokol, *see Synthetic Rubbers*
Technical Club.....Au 79
TP-105—Low-Temperature Plasticizer....F 24
Thirty Year Club of the Rubber Import Trade.....F 110
Thomas, C. Jack.....*Portrait* Ja 94
Richard V.....*Portrait* D 107, Ja 102
Robt. M.....*Portrait* S 96
Tinker, John M.....*Portrait* Ma 96
Tire Cord Market.....O 127, N 107, D 124, Ja 107, F 116, Ma 108, Ap 112, My 110, Je 124, Jl 106, Au 108, S 108
Polyester—Glamour Cord.....Jl 86
TIRES
Chlorobutyl Inner-Liners Decrease Blowouts *R. H. Dudley, J. V. Fusco* S 63
Highways, and America's Modern (Akron Group).....Ja 77
How Much Work Can a Tire Do?.....Ap 70
TIRES
Market, Negro, Who Will Win the?.....Je 124
Mold Adhesive, Tygoweld 53.....O 54
Off the Beaten Track ("Terra-Tires").....Jl 71
Pneumatic, Applications, Compounding *Cis*-Polybutadiene for.....*R. J. Brown, R. B. Knill, J. F. Kerscher, R. V. Todd* N 69
Some Historical Notes on Design of the Earliest Moon Vehicle.....F 88
Titanox RA-40, Brighter White with.....Ja 42
Todd, R. V.....*Portrait* N 74, My 72
Compounding Natsyn.....My 69
R. J. BROWN, R. B. KNILL, J. F. KERSCHER
Compounding *Cis*-Polybutadiene for Pneumatic Tire Applications.....N 69
Tomlinson, E. F.....*Portrait* F 105
Touhy, Wm. J., Jr.....*Portrait* Ja 94
Tower Style—Continuous Vulcanization.....N 76
Treadgold, A. G.....*Portrait* F 105
Treat, Ralph O.....*Portrait* Ma 99
Treated Rayon Yarn—TF-NZN.....S 16
Trends in Materials Handling Equipment *O. S. Carliss* Ja 69
Trexel, J. J.....*Portrait* S 102
Tribute to the RMA; Its Organization and Functions.....Ja 75
Trimate M—Latex Accelerator.....Ap 18
TriOctyl TriMelliate (PX-338)—PVC Plasticizer.....Je 18
Truox—Improved Lauroyl Peroxide.....Ja 30
Tubing Formulation, Chemivic.....Au 18
Tudder, Paul A.....*Portrait* Jl 93
Tully, Jas. R.....*Portrait* F 105
Turkey.....O 115, 124, F 109, Jl 96
Two New Splitting Machines.....Jl 75
Tygoweld 53 Tire Mold Adhesive.....O 54
Tylac Latex CD-1-80-1—Foam-to-Fabric Adhesive.....D 58
Typly, K, T—Adhesives.....My 38

U

Ultra-Violet Curing Catalyst—UV-50.....F 40
United Arab Republic.....F 110
States.....O 103, N 91, D 94, Ja 80, F 92, Ma 86, Ap 87, My 82, Je 89, Jl 84, Au 80, S 85

PAGES

Unsaturated, Highly, Butyl Rubber.....*H. H. Waddell, J. V. Fusco, L. T. Eby* Au 57
URETHANES
Adhesive System for.....Jl 16
Bonding Agent—5H-192.....D 42
Coatings, One-Part—Chemglaze Coatings..N 38
Dry Synthetic Rubbers Except SBR, Available.....O 98
Foam Control Agents—C-2-0145, -0146....Ja 30
Adhesive, Foam-to-Fabric—Tylac Latex CD-1-80-1.....D 58
Process Aid—Vibrathane 5005.....Je 18
Rubber, Cyanaprene 4590.....D 34
System.....Au 18
Vibrathanes—Polyurethane Materials.....F 30
5003, 5004.....S 98
Uruguay.....D 114
Use of Latex Materials, Compounding and (Southern Group).....D 89
Uses, Non-Tire, of Polybutadiene.....*J. F. Svetlik, W. S. Hall, E. F. Ross* Jl 72
USP-611 — High-Temperature Polymerization Catalyst.....Ma 52
UV-50—Ultra-Violet Curing Catalyst.....F 40

V

Van Ness, R.....*Portrait* Au 90
Venezuela.....Jl 99
Vibrathanes—Polyurethane Materials.....F 30
5003, 5004.....S 98
5005—Urethane Process Aid.....Je 18
Vietnam.....N 110
Vignolo, R. L.....*Portrait* F 104
Vila, Geo. R.....*Portrait* O 99, F 105, Je 114
Vill, Carl, Jr.....*Portrait* N 101
VINYL
Acetate, Ethylene-, Copolymers—Bakelite DQDA-3269, -7268.....My 32
Color Concentrates, Apex Pelletized.....Ja 30
Conductive, Apex 750.....N 38
Plasticizer—Flexol TCP.....Au 18
Plastolein 9066 LT.....My 38
Pyridine / Butadiene / Styrene Terpolymer—For Better Rubber-to-Fabric Adhesion..Ma 50
Viscosity, Low, High Solid-, Latex for Paper Coating—Dylex K-54W.....D 42
Voet, Andries.....*Portrait* Je 81
WM. M. WHITTEN, JR., AND
Dual Structure of Carbon Black, The....Je 77
Vulcanizable, Sulfur-, EPR—Nordel.....My 64
Vulcanization, Continuous—Tower Style.....N 76
"Vydax" AR—Fluorine-Type Mold Release..Ja 30

W

Waddell, Herbert H.....*Portrait* Au 63
J. V. FUSCO, L. T. EBY
Highly Unsaturated Butyl Rubber.....Au 57
Wall, Leo A.....*Portrait* Ap 91
Washington Rubber Group....D 93, Ja 79, Ma 84
Water Ground Calcium Carbonate, New Source for.....F 86
Weather Resistance, Ozone and (Akron Group).....My 77
Resistant *Cis*-Polybutadiene and *Cis*-Polyisoprene Compounds.....*J. C. Ambelang, B. W. Habeck* S 55
White, Brighter, with Titanox RA-40.....Ja 42
Chas. M.....*Portrait* D 89
Whiting, J. F.....*Portrait* D 108
Whitten, Wm. M., Jr.....*Portrait* Je 81
ANDRIES VOET AND
Dual Structure of Carbon Black, The....Je 77
Who Will Win the Negro Tire Market?.....Je 82
Wilcox, F. W.....*Portrait* Ja 79
Wilson, J. E.....*Portrait* O 114
WINDING, C. C., F. RODRIGUEZ AND
Polyolefins Improve Heat Aging of Clay-Loaded Butyl Insulation.....D 76
Wing-Stay V—Non-Staining Antioxidant....N 46
Wise, R. W.....*Portrait* Ap 66
G. E. DECKER AND
Stress Relaxation Method for Measuring Ozone Cracking, The.....Ap 66
Wright, H. A.....*Portrait* Ja 96
W. A.....*Portrait* Ma 100

X

XR-10—Resin Developed for Butyl, EPR, and Other Specialty Elastomers.....*G. B. Freda, R. L. Stukey* Ja 63

Y

Y-3277 Silicone Rubber Base—Free Catalyst Supplied with.....N 75
Yarn, Rayon, Treated—TF-NZN.....S 16
YC-3277 Catalyst.....N 75
Yochum, Danl. W.....*Portrait* O 114
York, Arthur M.....*Portrait* D 108

Z

Zimmer, J. C., Jr.....*Portrait* F 103
Zimmerman, Harry M.....*Portrait* F 103